

AMENDMENTS TO THE CLAIMS

The following listing of the claims will replace, without prejudice, all prior versions and listings of claims in the application.

1-29. (Cancelled)

30. (Currently Amended) A combination comprising: of

a dedicated dental implant or implant assembly,

a prosthesis comprising an anchorage part (1), and

a retaining screw,

wherein said anchorage part (1) of said prosthesis comprises a hole (2) for said retaining screw, characterized in that the diameter of the neck (3) of said retaining screw is smaller than the diameter of said hole in said anchorage part of said prosthesis and further characterized in that the interface of said dedicated dental implant or implant assembly with said anchorage part of said prosthesis comprises a flat-to-flat connection, so as to allow, upon fixing of said prosthesis to said dedicated dental implant or implant assembly with said retaining screw, compensation for lateral misalignments between the center of said anchorage part of said prosthesis and the center of said dedicated dental implant or implant assembly, by way of lateral movements of said prosthesis on said dedicated dental implant or implant assembly.

31. (Previously Presented) The combination of claim 30, wherein said compensation for lateral misalignments between the center of the anchorage part of the prosthesis and the center of the implant or implant assembly is ensured by way of lateral movements of the prosthesis on the implant of about 0.4 to about 1.4 mm.

32. (Previously Presented) The combination of claim 30, wherein the diameter of the neck (3) of the retaining screw is about 0.4 to 1.2 mm smaller with respect to the diameter of hole (2) in the anchorage part of the prosthesis.

33. (Currently Amended) The combination of claim 30, ~~which is further characterized in that~~ wherein the retaining screw has a threaded shaft (15) and the diameter of the neck (3) of the retaining screw is smaller than it's ~~the~~ threaded shaft (15).

34. (Currently Amended) The combination of claim 30, ~~characterized in that~~ wherein the retaining screw has a threaded shaft (15) and there is no tolerance between the threaded shaft (15) of the retaining screw and the hole (2) in the anchorage part (1) of the prosthesis.

35. (Currently Amended) A combination comprising of
a dedicated dental implant or implant assembly,

a prosthesis comprising an anchorage part (1), and

a retaining screw,

wherein said anchorage part (1) of said prosthesis comprises a hole (2) for said retaining screw, characterized in that the diameter of the neck (3) of said retaining screw is smaller than the diameter of said hole in said anchorage part of said prosthesis, wherein the interface of said implant or implant assembly with the anchorage part of said prosthesis is characterized by interlocking features which ensure a tolerance interlock, allowing, upon fixing of the prosthesis to the implant or implant assembly with the retaining screw, compensation for lateral misalignments of about 0.4 to about 1.4 mm between the center of the anchorage part (1) of the prosthesis and the center of the implant or implant assembly.

36. (Previously Presented) The combination of claim 30, wherein said anchorage part (1) is a separate cylindrical component that can be incorporated into a prosthesis.

37. (Previously Presented) The combination of claim 30, wherein said anchorage part (1) is an integral part of the prosthesis.

38. (Currently Amended) The combination of claim 30, said implant comprising a fixture head (6) with a proximal surface, wherein said implant is a single structure and

said flat-to-flat connection is between the proximal surface of said fixture head (6) of said implant and said proximal surface of said anchorage part (1) of the prosthesis.

39. (Previously Presented) The combination of claim 30, wherein said implant assembly comprises an abutment and said flat-to-flat connection is between the abutment and the anchorage part (1) of the prosthesis.

40. (Currently Amended) The combination of claim 30, wherein said implant has an external surface comprising a distal part (7) which is treated to interface with bone and a proximal part (8) which is untreated, ~~characterised in that~~ wherein the proximal part has a length of between 2 and 6 mm.

41. (Previously Presented) The combination of claim 30, said implant comprising a fixture head (6), wherein said fixture head (6) of said implant at the interface (5) of said implant with the prosthesis has a flat surface, further comprising in said flat surface one or more dedicated features to allow easy extraction of said implant after placement.

42. (Currently Amended) The combination of claim 30, further comprising an impression coping which comprises an anchorage part with a proximal surface, ~~characterised in that~~ wherein said proximal surface is flat for a flat-to-flat connection to

said implant or implant assembly.

43. (Currently Amended) The combination of claim 30, further comprising an implant replica, ~~characterised in that~~ wherein said implant replica comprises a proximal end of which the proximal surface (9) is flat for a flat-to-flat connection with the anchorage part (1) of said prosthesis or with an impression coping having an anchorage part (18) with a proximal flat surface.

44. (Previously Presented) A retaining screw for fixing a prosthesis to a dental implant or implant assembly having at their interface a flat-to-flat connection or a tolerance interlock, said retaining screw being characterized in that the diameter of its neck (3) is smaller than its threaded shaft (15) and in that the diameter of its neck (3) is about 0.4 to 1.2 mm smaller with respect to the diameter of hole (2) in the anchorage part (1) of the prosthesis, so as to allow, upon fixing of the prosthesis to the implant or implant assembly, compensation for lateral misalignments between the center of the anchorage part of the prosthesis and the center of the implant or implant assembly.

45. (Currently Amended) The retaining screw of claim 44, further comprising ~~characterized in that it has~~ a cylindrical head (13) with a conical opening inwards (14) to guide a screwdriver into position for screwing.

46. (Currently Amended) The retaining screw of claim 44, wherein ~~characterized~~
~~in that~~ the threaded shaft (15) fits into a threaded hole (2) in the implant or implant
assembly.

47. (Currently Amended) The retaining screw of claim 44, wherein ~~characterized~~
~~in that~~ the diameter of the threaded shaft (15) of the retaining screw is equal to the
diameter of the hole (2) in the anchorage part (1) of the prosthesis.

48. (Previously Presented) An impression coping for taking an impression of a
dental implant or implant assembly comprising at its proximal end a flat surface, said
impression coping comprising an anchorage part (18) having a flat surface, wherein said
flat surface of said implant or implant assembly and said flat surface of said anchorage
part (18) form a flat to flat interface.

49. (Previously Presented) A burn-out cylinder comprising a proximal end (19)
which comprises a flat surface, wherein said proximal end (19) is for connection to an
implant replica comprising a flat-surfaced proximal end (9) for connection with the
proximal flat surface of an anchorage part of a prosthesis or an impression coping,
wherein said flat surface of said burn-out cylinder (19) and said flat surface of said

implant replica (9) form a flat to flat interface.

50. (Previously Presented) The burn-out cylinder of claim 49, which further comprises a tapered collar (20).

51. (Currently Amended) The burn-out cylinder of claim 49, further comprising an internal shaft comprising ~~two~~ a proximal cylindrical part and a distal cylindrical part, wherein the diameter of the proximal cylindrical part ~~of said two parts~~ is smaller than that of the distal cylindrical part.

52. (Previously Presented) The combination of claim 30, wherein said implant comprises a fixture head comprising one or more dedicated features allowing application of torque by an implant holder.

53. (Previously Presented) The combination of claim 52, wherein the dedicated feature is a groove, a number of small intrusions, or one or more flat surfaces on the side of the head of the fixture.

54. (Withdrawn) An implant holder for applying torque to an implant comprising a fixture head, wherein said implant forms a flat-to-flat interface with an anchorage part

of a prosthesis and wherein said implant holder is characterized by one or more dedicated features allowing application of torque.

55. (Withdrawn) The implant holder of claim 54, wherein the dedicated feature comprises pins.

56. (Withdrawn) The implant holder of claim 54, wherein the dedicated feature applies torque via a groove, a number of small intrusions, or one or more flat surfaces on the side of the head of the fixture.